

Marta Robledo Garrido

List of Publications by Year in descending order

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Version: 2024-02-01

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| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Pervasive RNA Regulation of Metabolism Enhances the Root Colonization Ability of Nitrogen-Fixing Symbiotic $\hat{\pm}$ -Rhizobia. <i>MBio</i> , 2022, 13, e0357621. | 4.1 | 7 |
| 2 | The noncoding RNA CcnA modulates the master cell cycle regulators CtrA and GcrA in <i>Caulobacter crescentus</i> . <i>PLoS Biology</i> , 2022, 20, e3001528. | 5.6 | 6 |
| 3 | Synthetase of the methyl donor S-adenosylmethionine from nitrogen-fixing $\hat{\pm}$ -rhizobia can bind functionally diverse RNA species. <i>RNA Biology</i> , 2021, 18, 1111-1123. | 3.1 | 8 |
| 4 | Riboregulation in Nitrogen-Fixing Endosymbiotic Bacteria. <i>Microorganisms</i> , 2020, 8, 384. | 3.6 | 12 |
| 5 | Identification of Small RNAâ€“Protein Partners in Plant Symbiotic Bacteria. <i>Methods in Molecular Biology</i> , 2018, 1737, 351-370. | 0.9 | 6 |
| 6 | Heterologous Expression of Rhizobial CelC2 Cellulase Impairs Symbiotic Signaling and Nodulation in <i>Medicago truncatula</i> . <i>Molecular Plant-Microbe Interactions</i> , 2018, 31, 568-575. | 2.6 | 9 |
| 7 | Primary Characterization of Small RNAs in Symbiotic Nitrogen-Fixing Bacteria. <i>Methods in Molecular Biology</i> , 2018, 1734, 277-295. | 0.9 | 8 |
| 8 | <i>Sinorhizobium meliloti</i> RNase III: Catalytic Features and Impact on Symbiosis. <i>Frontiers in Genetics</i> , 2018, 9, 350. | 2.3 | 9 |
| 9 | An sRNA and Cold Shock Protein Homolog-Based Feedforward Loop Post-transcriptionally Controls Cell Cycle Master Regulator CtrA. <i>Frontiers in Microbiology</i> , 2018, 9, 763. | 3.5 | 12 |
| 10 | A conserved $\hat{\pm}$ -proteobacterial small RNA contributes to osmoadaptation and symbiotic efficiency of rhizobia on legume roots. <i>Environmental Microbiology</i> , 2017, 19, 2661-2680. | 3.8 | 27 |
| 11 | <i>Sinorhizobium meliloti</i> YbeY is an endoribonuclease with unprecedented catalytic features, acting as silencing enzyme in riboregulation. <i>Nucleic Acids Research</i> , 2017, 45, 1371-1391. | 14.5 | 29 |
| 12 | RNA silencing in plant symbiotic bacteria: Insights from a protein-centric view. <i>RNA Biology</i> , 2017, 14, 1672-1677. | 3.1 | 7 |
| 13 | Rhizobium Symbiotic Enzyme Cellulase CelC2: Properties and Applications. , 2016, , 81-89. | | 2 |
| 14 | Spatiotemporal choreography of chromosome and megaplasmids in the <i>Sinorhizobium meliloti</i> cell cycle. <i>Molecular Microbiology</i> , 2016, 100, 808-823. | 2.5 | 37 |
| 15 | The stress-related, rhizobial small RNA RcsR1 destabilizes the autoinducer synthase encoding mRNA <i>sinI</i> in <i>Sinorhizobium meliloti</i> . <i>RNA Biology</i> , 2016, 13, 486-499. | 3.1 | 35 |
| 16 | Antisense transcription of symbiotic genes in <i>Sinorhizobium meliloti</i> . <i>Symbiosis</i> , 2015, 67, 55-67. | 2.3 | 23 |
| 17 | A Stress-Induced Small RNA Modulates Alpha-Rhizobial Cell Cycle Progression. <i>PLoS Genetics</i> , 2015, 11, e1005153. | 3.5 | 51 |
| 18 | Unraveling the universe of small RNA regulators in the legume symbiont <i>Sinorhizobium meliloti</i> . <i>Symbiosis</i> , 2015, 67, 43-54. | 2.3 | 15 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Riboregulation in plant-associated α -proteobacteria. <i>RNA Biology</i> , 2014, 11, 550-562. | 3.1 | 43 |
| 20 | Genome-wide profiling of Hfq-binding RNAs uncovers extensive post-transcriptional rewiring of major stress response and symbiotic regulons in <i>Sinorhizobium meliloti</i> . <i>RNA Biology</i> , 2014, 11, 563-579. | 3.1 | 65 |
| 21 | A ClpB Chaperone Knockout Mutant of <i>Mesorhizobium ciceri</i> Shows a Delay in the Root Nodulation of Chickpea Plants. <i>Molecular Plant-Microbe Interactions</i> , 2012, 25, 1594-1604. | 2.6 | 23 |
| 22 | Role of Rhizobium endoglucanase CelC2 in cellulose biosynthesis and biofilm formation on plant roots and abiotic surfaces. <i>Microbial Cell Factories</i> , 2012, 11, 125. | 4.0 | 86 |
| 23 | Rhizobium Promotes Non-Legumes Growth and Quality in Several Production Steps: Towards a Biofertilization of Edible Raw Vegetables Healthy for Humans. <i>PLoS ONE</i> , 2012, 7, e38122. | 2.5 | 155 |
| 24 | Development of Functional Symbiotic White Clover Root Hairs and Nodules Requires Tightly Regulated Production of Rhizobial Cellulase CelC2. <i>Molecular Plant-Microbe Interactions</i> , 2011, 24, 798-807. | 2.6 | 31 |
| 25 | The celC gene, a new phylogenetic marker useful for taxonomic studies in Rhizobium. <i>Systematic and Applied Microbiology</i> , 2011, 34, 393-399. | 2.8 | 13 |
| 26 | <i>Rhizobium</i> cellulase CelC2 is essential for primary symbiotic infection of legume host roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7064-7069. | 7.1 | 119 |